Ejercicio8sec2.1grossman2ed

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calcule el determinante de la siguiente matriz

$$A = \begin{pmatrix} -3 & 0 & 0 & 0 \\ -4 & 7 & 0 & 0 \\ 5 & 8 & -1 & 0 \\ 2 & 3 & 0 & 6 \end{pmatrix}$$

```
----------------------------------------------------------------------
| Sage Version 3.4, Release Date: 2009-03-11                         |
| Type notebook() for the GUI, and license() for information.        |
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Sage Version 3.4, Release Date: 2009-03-11
```

```
sage] A=matrix(QQ,[[-3,0,0,0],[-4,7,0,0],[5,8,-1,0],[2,3,0,6]])
sage] A
```

$$\begin{pmatrix} -3 & 0 & 0 & 0 \\ -4 & 7 & 0 & 0 \\ 5 & 8 & -1 & 0 \\ 2 & 3 & 0 & 6 \end{pmatrix}$$

```
A.determinant()
```

126

el determinante de la matriz dada en 126.